

## CURRENT INDUSTRIAL REPORTS

# Manufacturers' Shipments, Inventories, and Orders

## September 1987

U.S. Department of Commerce  
BUREAU OF THE CENSUS

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(All Figures in text are in seasonally adjusted current dollars)

**SUMMARY.** New orders for manufactured goods in September increased \$2.3 billion or 1.1 percent to \$205.7 billion. New orders have been increasing since January except for the 1.3 percent decline in August. Most of the September orders increase was in durable goods, up \$1.9 billion or 1.8 percent to \$108.6 billion. Nondurables were up \$0.4 billion or 0.4 percent to \$97.1 billion.

Shipments of manufactured goods increased \$4.1 billion or 2.1 percent to \$204.8 billion. Most of the shipments increase was also in the durable goods sector, up \$3.6 billion or 3.5 percent to \$107.7 billion. Nondurables increased \$0.5 billion or 0.5 percent to \$97.0 billion.

Unfilled orders for manufactured goods increased \$0.9 billion or 0.2 percent to \$395.6 billion, continuing the upward trend which began in March.

Current cost inventories increased \$1.1 billion or 0.3 percent in September to \$326.5 billion, the fifth increase in the last six months. The inventory to shipments ratio in September was 1.59 down from 1.62 in August.

**NEW ORDERS.** The increase in durable goods new orders of 1.8 percent was concentrated in the primary metals and machinery industries. Primary metals were up \$1.0 billion or 10.1 percent to \$10.4 billion. This is the first time primary metals orders reached the \$10.0 billion level since early 1984. Orders for electrical machinery were up \$0.4 billion or 2.1 percent to \$19.6 billion and for nonelectrical \$0.4 billion or 2.0 percent to \$18.8 billion. Nondefense communication equipment accounted for most of the electrical increase while the nonelectrical increase was more widespread. The largest decline in orders was in transportation equipment, down \$0.5 billion or 1.7 percent to \$26.6 billion.

The nondurable orders increase of 0.4 percent resulted from a mixed pattern of changes; the largest increases were in tobacco, paper, and chemical products, and the largest declines in printing and publishing and petroleum products.

**SHIPMENTS.** Increases in shipments of durable goods in September were widespread. The largest was in transportation equipment, up \$2.2 billion or 8.9 percent to \$27.5 billion; motor vehicles and parts were up 5.3 percent and aircraft and parts 17.1 percent. Primary metals shipments were up \$0.4 billion or 4.8 percent and nonelectrical machinery \$0.4 billion or 2.1 percent.

The largest increases in shipments of nondurable goods were in tobacco, paper and chemical products; the largest declines were in printing and publishing and petroleum products.

**UNFILLED ORDERS.** The increase in unfilled orders of 0.2 percent resulted from increases in primary metals and the machinery industries more than offsetting a large decline in transportation equipment; shipbuilding and tanks were down \$0.7 billion or 3.9 percent. Excluding the decline in transportation equipment, unfilled orders increased 0.8 percent.

**INVENTORIES.** Durable goods inventories in September increased \$0.7 billion or 0.3 percent to \$211.6 billion, with most categories except nonelectrical machinery increasing. Nondurable goods inventories increased \$0.3 billion or 0.3 percent to \$114.8 billion. Food products were up \$0.5 billion or 2.2 percent while petroleum product inventories declined \$0.3 billion or 2.3 percent to \$10.8 billion.

By stage of fabrication, inventories of materials and supplies were up 0.8 percent, work in process up 0.8 percent, and finished goods down 0.7 percent. This pattern held for both the durable and nondurable goods sectors.

**SCHEDULED RELEASE DATES.** The advance report on durable goods for October is scheduled for November 25, 1987, at 8:30 a.m. and the full report on December 3, 1987 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

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Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

SIC Code	Industry	(Millions of dollars)												
		Seasonally adjusted							Not seasonally adjusted <sup>1</sup>					
		Monthly				Percent change			Monthly				Year to date	
		Sep. 1987P	Aug. 1987P	July 1987	Sept. 1986P	Aug. Sep. P	July Aug. P	Sep. 87/86	Sep. 1987P	Aug. 1987P	July 1987	Sep. 1986	1987P	1986
	All manufacturing industries	204,765	200,638	199,395	190,384	+2.1	+0.6	+7.6	215,909	197,896	185,228	200,931	1,785,552	1,698,558
	Manufacturing industries with unfilled orders.....	112,992	109,618	109,027	104,961	+3.1	+0.5	+7.7	119,191	107,696	100,065	110,770	970,729	925,405
	Durable goods industries.....	107,746	104,135	103,032	100,655	+3.5	+1.1	+7.0	113,170	100,585	93,412	105,774	934,587	895,479
	With unfilled orders.....	88,157	84,833	83,920	81,862	+3.9	+1.1	+7.7	92,922	82,513	76,683	86,343	752,356	726,266
32	Stone, clay, and glass products.	5,044	4,872	4,934	4,725	+3.5	-1.3	+6.8	5,518	5,092	4,909	5,165	45,540	42,918
33	Primary metals.....	9,723	9,282	9,336	8,510	+4.8	-0.6	+14.3	9,674	9,239	8,684	8,470	80,557	78,005
331	Blast furnaces, steel mills...	4,340	4,118	4,077	3,447	+5.4	+1.0	+25.9	4,275	4,052	3,789	3,391	34,675	33,126
332	Iron and steel foundries.....	811	809	767	820	+0.2	+5.5	-1.1	795	831	689	806	7,199	7,760
333-9	Nonferrous and other primary metals.....	4,572	4,355	4,492	4,243	+5.0	-3.0	+7.8	4,604	4,356	4,206	4,273	38,683	37,119
34	Fabricated metal products.....	11,061	10,959	11,013	11,480	+0.9	-0.5	-3.6	11,581	11,047	10,392	12,003	101,437	102,944
35	Machinery, except electrical....	18,482	18,100	18,095	16,817	+2.1	0.0	+9.9	19,565	16,626	16,400	17,819	155,656	153,395
351	Engines and turbines.....	1,380	1,332	1,251	1,269	+3.6	+6.5	+8.7	1,398	1,212	1,119	1,286	10,911	10,816
353	Construction, mining, and material handling equipment..	2,356	2,305	2,219	1,953	+2.2	+3.9	+20.6	2,387	2,086	2,314	1,987	19,198	20,415
354	Metalworking machinery.....	786	699	712	751	+12.4	-1.8	+4.7	879	610	613	839	6,552	6,526
357	Office and computing machines.	4,925	4,875	4,892	4,703	+1.0	-0.3	+4.7	5,733	4,409	4,120	5,474	40,123	39,959
36	Electrical machinery.....	19,217	19,133	18,801	17,659	+0.4	+1.8	+8.8	20,776	18,724	16,686	19,094	164,276	150,560
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	2,242	2,221	2,299	2,080	+0.9	-3.4	+7.8	2,480	2,159	2,007	2,307	19,944	18,978
363	Household appliances.....	1,504	1,560	1,546	1,508	-3.6	+0.9	-0.3	1,663	1,613	1,525	1,666	14,157	12,799
365	Radio and TV.....	1,188	1,102	883	1,173	+7.8	+24.8	+1.3	1,409	1,071	785	1,387	9,376	9,225
366	Communication equipment.....	6,424	6,332	6,253	6,077	+1.5	+1.3	+5.7	6,769	6,101	5,362	6,380	53,850	50,588
367	Electronic components.....	4,285	4,343	4,393	3,666	-1.3	-1.1	+16.9	4,516	4,349	3,971	3,876	36,784	33,014
364,9	Other electrical machinery....	3,574	3,575	3,427	3,155	0.0	+4.3	+13.3	3,939	3,431	3,036	3,478	30,165	25,956
37	Transportation equipment.....	27,531	25,288	24,108	26,072	+8.9	+4.9	+5.6	28,227	22,921	20,674	26,745	240,154	232,014
371	Motor vehicles and parts.....	16,673	15,828	14,481	16,502	+5.3	+9.3	+1.0	17,082	13,737	11,408	16,904	150,647	146,483
372,6	Aircraft, missiles, and parts.	9,001	7,687	8,005	7,961	+17.1	-4.0	+13.1	9,285	7,415	7,673	8,230	73,821	70,363
3731,95	Shipbuilding and military tank vehicles.....	831	820	736	825	+1.3	+11.4	+0.7	831	820	736	825	7,172	7,832
38	Instruments and related products	5,375	5,250	5,354	5,036	+2.4	-1.9	+6.7	5,687	5,150	4,976	5,343	46,702	44,996
381-4	Scientific and engineering instruments.....	3,592	3,528	3,606	3,335	+1.8	-2.2	+7.7	3,750	3,504	3,308	3,497	31,226	30,300
386	Photographic goods.....	1,616	1,559	1,585	1,532	+3.7	-1.6	+5.5	1,761	1,483	1,508	1,667	14,000	13,058
24,25, 39	All other durable goods.....	11,313	11,251	11,391	10,356	+0.6	-1.2	+9.2	12,142	11,786	10,691	11,135	100,265	90,647
	Nondurable goods industries.....	97,019	96,503	96,363	89,729	+0.5	+0.1	+8.1	102,739	97,311	91,816	95,157	850,965	803,079
	With unfilled orders.....	24,835	24,785	25,107	23,099	+0.2	-1.3	+7.5	26,269	25,183	23,382	24,427	218,373	199,139
20	Food and kindred products.....	27,928	27,943	28,382	26,768	-0.1	-1.5	+4.3	29,795	27,752	27,305	28,600	247,838	233,251
202	Dairy products.....	4,052	3,997	3,928	3,513	+1.4	+1.8	+15.3	4,117	4,006	3,965	3,572	35,560	31,475
208	Beverages.....	3,607	3,595	3,649	3,593	+0.3	-1.5	+0.4	3,715	3,869	3,932	3,696	32,932	33,430
203-6,9	All other foods.....	12,173	12,712	12,771	12,213	-4.2	-0.5	-0.3	13,682	12,020	11,540	13,712	110,445	105,406
21	Tobacco products.....	1,954	1,486	1,144	1,637	+31.5	+29.9	+19.4	1,954	1,486	1,144	1,637	13,285	13,196
22	Textile mill products.....	4,832	4,816	4,862	4,640	+0.3	-0.9	+4.1	5,274	5,012	4,171	5,058	42,298	40,691
221-4,6, 8,9	Broadwoven fabrics.....	2,991	2,984	2,990	2,848	+0.2	-0.2	+5.0	3,266	3,012	2,443	3,106	25,774	25,172
26	Paper and allied products.....	10,243	9,950	10,275	9,053	+2.9	-3.2	+13.1	10,487	10,094	9,772	9,263	88,333	77,167
261-3,6	Pulp, paper etc.....	4,410	4,314	4,543	3,911	+2.2	-5.0	+12.8	4,445	4,371	4,244	3,942	37,906	32,313
265	Paperboard containers.....	2,243	2,142	2,221	1,897	+4.7	-3.6	+18.2	2,317	2,193	2,117	1,957	19,133	16,856
264	All other paper products.....	3,590	3,494	3,511	3,245	+2.7	-0.5	+10.6	3,725	3,530	3,411	3,364	31,294	27,998
28	Chemicals and allied products...	18,196	18,048	18,008	16,580	+0.8	+0.2	+9.7	19,268	17,769	16,577	17,594	160,837	150,218
281,6	Industrial chemicals, except pigments.....	5,328	5,262	5,367	4,733	+1.3	-2.0	+12.6	5,387	5,116	5,095	4,787	46,921	42,637
283,4	Drugs, soaps, and toiletries..	6,227	6,086	6,054	5,939	+2.3	+0.5	+4.8	7,304	6,156	5,448	6,964	54,341	51,653
282,9	Other chemical products.....	4,412	4,485	4,387	3,797	-1.6	+2.2	+16.2	4,531	4,460	4,103	3,908	38,493	34,756
29	Petroleum and coal products....	11,404	11,717	11,470	9,834	-2.7	+2.2	+16.0	11,597	11,862	11,598	10,052	97,031	100,600
30	Rubber and plastics products....	6,468	6,392	6,142	6,052	+1.2	+4.1	+6.9	6,863	6,330	5,825	6,410	58,674	54,184
23,27, 31	All other nondurable goods.....	15,994	16,151	16,080	15,165	-1.0	+0.4	+5.5	17,501	17,006	15,424	16,543	142,669	133,772
	Market categories:													
	Home goods and apparel.....	13,805	13,683	13,518	13,058	+0.9	+1.2	+5.7	15,677	14,874	12,580	14,803	121,913	114,729
	Consumer staples.....	15,677	14,874	12,580	14,803	+5.4	+18.2	+5.9	43,162	39,552	37,781	41,431	352,165	331,343
	Equipment and defense products, except automotive.....	33,262	32,349	32,516	30,566	+2.8	-0.5	+8.8	35,184	30,872	29,517	32,376	281,448	273,483
	Automotive equipment.....	18,715	17,806	16,493	18,361	+5.1	+8.0	+1.9	19,214	15,766	13,408	18,849	168,987	163,574
	Construction materials, supplies and intermediate products.....	16,078	15,732	16,117	15,102	+2.2	-2.4	+6.5	17,352	16,453	16,084	16,329	145,159	135,667
	Other materials, supplies, and intermediate products.....	17,352	16,453	16,084	16,329	+5.5	+2.3	+6.3	85,320	80,379	75,858	77,143	715,880	679,762
	Supplementary series: <sup>2</sup>													
	Capital goods industries.....	39,052	37,289	37,012	35,453	+4.7	+0.7	+10.2	41,418	35,414	33,785	37,627	325,779	312,446
	Nondefense.....	29,517	28,494	28,106	26,562	+3.6	+1.4	+11.1	31,636	26,867	25,460	28,488	245,437	235,995
	Defense.....	9,535	8,795	8,906	8,891	+8.4	-1.2	+7.2	9,782	8,547	8,325	9,139	80,342	76,451
	Household durable goods industries.....	6,410	6,376	6,164	6,303	+0.5	+3.4	+1.7	7,360	6,610	5,441	7,227	56,584	53,130

See footnotes at end of table 2.



Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted <sup>1</sup>					
		Monthly				Percent change			Monthly				Year to date	
		Sep. 1987P	Aug. 1987 <sup>r</sup>	July 1987	Sep. 1986 <sup>r</sup>	Aug.-Sep. P	July-Aug. <sup>r</sup>	Sep.-87/86	Sep. 1987P	Aug. 1987 <sup>r</sup>	July 1987	Sep. 1986	1987P	1986
	All manufacturing industries	205,702	203,391	206,065	193,043	+1.1	-1.3	+6.6	215,428	198,583	191,040	202,301	1,806,343	1,698,884
	Manufacturing industries with unfilled orders.....	113,929	112,371	115,697	107,620	+1.4	-2.9	+5.9	118,710	108,383	105,877	112,140	991,520	925,731
	Durable goods industries.....	108,626	106,678	109,213	102,947	+1.8	-2.3	+5.5	112,723	101,163	98,600	106,841	952,469	895,228
	With unfilled orders.....	89,037	87,376	90,101	84,154	+1.9	-3.0	+5.8	92,475	83,091	81,871	87,410	770,238	726,015
32	Stone, clay, and glass products.....	5,087	4,978	4,979	4,745	+2.2	0.0	+7.2	5,498	5,167	4,940	5,129	45,710	42,961
33	Primary metals.....	10,415	9,461	9,718	8,822	+10.1	-2.6	+18.1	9,772	9,428	8,846	8,356	83,629	77,494
331	Blast furnaces, steel mills.....	4,714	4,159	4,380	3,941	+13.3	-5.0	+19.6	4,119	4,220	3,978	3,525	36,565	33,183
332	Iron and steel foundries.....	916	827	796	804	+10.8	+3.9	+13.9	902	808	736	788	7,353	7,993
333-9	Nonferrous and other primary metals.....	4,785	4,475	4,542	4,077	+6.9	-1.5	+17.4	4,751	4,400	4,132	4,043	39,711	36,318
34	Fabricated metal products.....	11,235	11,014	11,261	11,353	+2.0	-2.2	-1.0	11,591	11,127	10,649	11,729	102,069	102,021
35	Machinery, except electrical.....	18,776	18,412	18,864	16,664	+2.0	-2.4	+12.7	19,416	17,076	16,911	17,252	158,491	149,586
351	Engines and turbines.....	1,510	1,368	1,364	1,462	+10.4	+0.3	+3.3	1,558	1,407	1,322	1,498	11,436	10,479
353	Construction, mining, and material handling equipment..	2,375	2,329	2,418	1,803	+2.0	-3.7	+31.7	2,418	2,047	2,548	1,851	19,373	19,032
354	Metalworking machinery.....	866	697	698	737	+24.2	-0.1	+17.5	942	659	719	782	6,718	6,374
357	Office and computing machines.	4,858	4,857	5,183	4,480	0.0	-6.3	+8.4	5,239	4,338	4,057	4,924	40,508	38,613
36	Electrical machinery.....	19,643	19,234	19,421	17,661	+2.1	-1.0	+11.2	21,478	18,248	17,162	19,331	165,501	153,420
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	2,394	2,348	2,296	2,135	+2.0	+2.3	+12.1	2,621	2,284	2,016	2,353	20,227	18,711
363	Household appliances.....	1,497	1,575	1,562	1,546	-5.0	+0.8	-3.2	1,650	1,620	1,550	1,693	14,120	12,847
365	Radio and TV.....	1,231	1,223	903	1,248	+0.7	+35.4	-1.4	1,452	1,192	805	1,462	9,468	9,294
366	Communication equipment.....	6,409	5,824	6,644	6,156	+10.0	-12.3	+4.1	7,361	5,380	5,293	7,035	53,378	54,279
367	Electronic components.....	4,526	4,662	4,604	3,435	-2.9	+1.3	+31.8	4,432	4,309	4,448	3,316	38,036	32,043
364,9	Other electrical machinery....	3,586	3,602	3,412	3,141	-0.4	+5.6	+14.2	3,962	3,463	3,050	3,472	30,272	26,246
37	Transportation equipment.....	26,616	27,087	27,970	28,130	-1.7	-3.2	-5.4	27,079	23,189	23,952	28,504	247,614	233,181
372,6	Aircraft, missiles, and parts.	8,831	9,404	12,132	10,232	-6.1	-22.5	-13.7	8,680	8,187	11,028	9,988	79,812	71,564
3731,95	Shipbuilding and military tank vehicles.....	84	962	482	626	-91.3	+99.6	-86.6	349	393	579	910	8,212	8,307
38	Instruments and related products	5,503	5,227	5,584	5,258	+5.3	-6.4	+4.7	5,819	5,138	5,222	5,559	47,641	45,019
381-4	Scientific and engineering instruments.....	3,631	3,575	3,754	3,562	+1.6	-4.8	+1.9	3,789	3,551	3,456	3,724	31,765	30,273
24,25, 39	All other durable goods.....	11,351	11,265	11,416	10,314	+0.8	-1.3	+10.1	12,070	11,790	10,918	10,981	101,814	91,546
	Nondurable goods industries.....	97,076	96,713	96,852	90,096	+0.4	-0.1	+7.7	102,705	97,420	92,440	95,460	853,874	803,656
	With unfilled orders.....	24,892	24,995	25,596	23,466	-0.4	-2.3	+6.1	26,235	25,292	24,006	24,730	221,282	199,716
	Market categories:													
	Home goods and apparel.....	13,809	13,734	13,668	13,059	+0.5	+0.5	+5.7	15,569	14,928	12,893	14,692	123,453	115,713
	Consumer staples.....	40,031	39,739	39,595	38,363	+0.7	+0.4	+4.3	43,152	39,555	37,817	41,399	352,060	331,312
	Equipment and defense products, except automotive.....	33,154	33,873	36,019	31,404	-2.1	-6.0	+5.6	34,991	30,636	31,630	33,086	289,207	273,288
	Automotive equipment.....	18,761	17,763	16,410	18,383	+5.6	+8.2	+2.1	19,197	15,706	13,416	18,801	169,257	163,133
	Construction materials, supplies and intermediate products.....	15,997	15,828	16,209	15,019	+1.1	-2.4	+6.5	17,163	16,541	16,158	16,162	145,193	135,594
	Other materials, supplies, and intermediate products.....	83,950	82,454	84,164	76,815	+1.8	-2.0	+9.3	85,356	81,217	79,126	78,161	727,173	679,844
	Supplementary series: <sup>2</sup>													
	Capital goods industries.....	38,708	39,061	41,905	37,459	-0.9	-6.8	+3.3	41,053	35,622	37,340	39,567	336,187	313,702
	Nondefense.....	29,461	29,540	31,982	27,155	-0.3	-7.6	+8.5	31,122	28,076	29,133	28,668	258,473	233,601
	Defense.....	9,247	9,521	9,923	10,304	-2.9	-4.1	-10.3	9,931	7,546	8,207	10,899	77,714	80,101
	Household durable goods industries.....	6,417	6,398	6,225	6,296	+0.3	+2.8	+1.9	7,281	6,648	5,641	7,130	57,620	53,993

P Preliminary. <sup>r</sup> Revised.

<sup>1</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

<sup>2</sup> The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)												
SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted <sup>1</sup>			
		End of month				Percent change			End of month			
		Sep. 1987P	Aug. 1987F	July 1987	Sep. 1986F	Aug.- Sep.P	July- Aug.F	Sep.- 87/86	Sep. 1987P	Aug. 1987F	July 1987	Sep. 1986
	All manufacturing industries.....	395,577	394,640	391,887	374,463	+0.2	+0.7	+5.6	391,201	391,682	390,995	370,253
	Durable goods industries.....	381,819	380,939	378,396	363,653	+0.2	+0.7	+5.0	377,418	377,865	377,287	359,423
32	Stone, clay, and glass products.....	2,655	2,612	2,506	2,646	+1.6	+4.2	+0.3	2,600	2,620	2,545	2,591
33	Primary metals.....	20,899	20,207	20,028	16,629	+3.4	+0.9	+25.7	19,799	19,701	19,512	15,794
331	Blast furnaces, steel mills.....	11,662	11,288	11,247	8,864	+3.3	+0.4	+31.6	10,741	10,897	10,729	8,178
332	Iron and steel foundries.....	2,856	2,751	2,733	2,617	+3.8	+0.7	+9.1	2,830	2,723	2,746	2,595
333-9	Nonferrous and other primary metals.....	6,381	6,168	6,048	5,148	+3.5	+2.0	+24.0	6,228	6,081	6,037	5,021
34	Fabricated metal products.....	19,293	19,119	19,064	18,731	+0.9	+0.3	+3.0	19,329	19,319	19,239	18,779
35	Machinery, except electrical.....	57,560	57,266	56,954	57,110	+0.5	+0.5	+0.8	57,393	57,542	57,092	56,952
351	Engines and turbines.....	14,923	14,793	14,757	15,953	+0.9	+0.2	-6.5	15,030	14,870	14,675	16,054
353	Construction, mining, and material handling equipment.....	4,565	4,546	4,522	4,334	+0.4	+0.5	+5.3	4,510	4,479	4,518	4,280
354	Metalworking machinery.....	3,091	3,011	3,013	3,306	+2.7	-0.1	-6.5	3,221	3,158	3,109	3,436
357	Office and computing machines.....	19,191	19,258	19,276	19,351	-0.3	-0.1	-0.8	19,018	19,512	19,583	19,195
36	Electrical machinery.....	93,948	93,522	93,421	93,416	+0.5	+0.1	+0.6	93,795	93,093	93,569	93,243
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	5,611	5,459	5,332	5,502	+2.8	+2.4	+2.0	5,611	5,470	5,345	5,501
363	Household appliances.....	218	225	210	379	-3.1	+7.1	-42.5	226	239	232	392
365	Radio and TV.....	455	412	291	504	+10.4	+41.6	-9.7	455	412	291	504
366	Communication equipment.....	68,866	68,881	68,389	69,553	0.0	-0.7	-1.0	68,814	68,222	68,943	69,480
367	Electronic components.....	17,036	16,795	16,476	15,655	+1.4	+1.9	+8.8	16,883	16,967	17,007	15,500
364,9	Other electrical machinery.....	1,762	1,750	1,723	1,823	+0.7	+1.6	-3.3	1,806	1,783	1,751	1,866
37	Transportation equipment.....	172,474	173,389	171,590	161,654	-0.5	+1.0	+6.7	169,249	170,397	170,129	158,396
372,6	Aircraft, missiles, and parts.....	147,564	147,734	146,017	137,238	-0.1	+1.2	+7.5	144,717	145,322	144,550	134,372
3731,95	Shipbuilding and military tank vehicles.....	18,604	19,351	19,209	18,674	-3.9	+0.7	-0.4	18,386	18,868	19,295	18,434
38	Instruments and related products.....	9,070	8,942	8,965	8,467	+1.4	-0.3	+7.1	9,114	8,982	8,994	8,495
381-4	Scientific and engineering instruments.....	7,943	7,904	7,857	7,559	+0.5	+0.6	+5.1	7,943	7,904	7,857	7,559
24,25, 39	All other durable goods.....	5,920	5,882	5,868	5,000	+0.6	+0.2	+18.4	6,139	6,211	6,207	5,173
	Nondurable goods industries.....	13,758	13,701	13,491	10,810	+0.4	+1.6	+27.3	13,783	13,817	13,708	10,830
	Market categories:											
	Home goods and apparel.....	4,772	4,768	4,717	4,176	+0.1	+1.1	+14.3	4,872	4,980	4,926	4,247
	Consumer staples.....	662	675	690	730	-1.9	-2.2	-9.3	658	668	665	730
	Equipment and defense products, except automotive.....	248,941	249,049	247,525	239,756	0.0	+0.6	+3.8	245,746	245,939	246,175	236,477
	Automotive equipment.....	5,934	5,888	5,931	5,442	+0.8	-0.7	+9.0	5,774	5,791	5,851	5,290
	Construction materials, supplies and intermediate products.....	10,065	10,146	10,050	10,326	-0.8	+1.0	-2.5	10,122	10,311	10,223	10,388
	Other materials, supplies, and intermediate products.....	125,203	124,114	122,974	114,033	+0.9	+0.9	+9.8	124,029	123,993	123,155	113,121
	Supplementary series: <sup>2</sup>											
	Capital goods industries.....	302,945	303,289	301,517	292,348	-0.1	+0.6	+3.6	299,722	300,087	299,879	289,069
	Nondefense.....	140,162	140,218	139,172	126,430	0.0	+0.8	+10.9	140,056	140,570	139,361	126,330
	Defense.....	162,783	163,071	162,345	165,918	-0.2	+0.4	-1.9	159,666	159,517	160,518	162,739
	Household durable goods industries.....	3,922	3,915	3,893	3,594	+0.2	+0.6	+9.1	3,996	4,075	4,037	3,650

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted <sup>1</sup>			
		End of month				Percent change			End of month			
		Sep. 1987 <sup>P</sup>	Aug. 1987 <sup>F</sup>	July 1987	Sep. 1986 <sup>F</sup>	Aug.-Sep. <sup>P</sup>	July-Aug. <sup>F</sup>	Sep.-87/86	Sep. 1987 <sup>P</sup>	Aug. 1987 <sup>F</sup>	July 1987	Sep. 1986
	All manufacturing industries.....	326,463	325,395	323,333	318,356	+0.3	+0.6	+2.5	325,736	326,648	324,070	317,705
	Manufacturing industries with unfilled orders.....	221,173	220,521	218,991	218,157	+0.3	+0.7	+1.4	221,438	222,380	220,953	218,365
	Durable goods industries.....	211,642	210,921	209,951	209,402	+0.3	+0.5	+1.1	211,660	212,106	210,939	209,380
	With unfilled orders.....	194,173	193,677	192,486	192,837	+0.3	+0.6	+0.7	194,553	195,176	193,963	193,159
32	Stone, clay, and glass products.....	7,036	7,055	7,020	6,913	-0.3	+0.5	+1.8	6,885	7,025	7,089	6,764
33	Primary metals.....	16,639	16,466	16,299	17,162	+1.1	+1.0	-3.0	16,738	16,581	16,498	17,256
331	Blast furnaces, steel mills.....	7,502	7,407	7,296	7,860	+1.3	+1.5	-4.6	7,645	7,557	7,457	8,002
332	Iron and steel foundries.....	1,199	1,189	1,210	1,142	+0.8	-1.7	+5.0	1,179	1,150	1,198	1,122
333-9	Nonferrous and other primary metals.....	7,938	7,870	7,793	8,160	+0.9	+1.0	-2.7	7,914	7,874	7,843	8,132
34	Fabricated metal products.....	21,723	21,501	21,402	21,481	+1.0	+0.5	+1.1	21,548	21,396	21,517	21,300
35	Machinery, except electrical.....	40,546	40,879	40,824	42,426	-0.8	+0.1	-4.4	40,352	41,146	40,959	42,239
351	Engines and turbines.....	2,825	2,771	2,830	2,852	+1.9	-2.1	-0.9	2,827	2,841	2,885	2,851
353	Construction, mining, and material handling equipment.....	6,400	6,594	6,485	7,216	-2.9	+1.7	-11.3	6,381	6,607	6,398	7,195
354	Metalworking machinery.....	2,965	2,968	2,970	2,902	-0.1	-0.1	+2.2	2,935	3,007	2,997	2,875
357	Office and computing machines.....	9,520	9,654	9,606	10,301	-1.4	+0.5	-7.6	9,491	9,885	9,738	10,273
36	Electrical machinery.....	39,584	39,384	39,277	39,450	+0.5	+0.3	+0.3	39,506	39,694	39,682	39,366
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,808	4,844	4,846	4,955	-0.7	0.0	-3.0	4,810	4,885	4,878	4,951
363	Household appliances.....	2,740	2,608	2,645	2,747	+5.1	-1.4	-0.3	2,587	2,531	2,701	2,593
365	Radio and TV.....	1,626	1,686	1,694	1,593	-3.6	-0.5	+2.1	1,681	1,800	1,804	1,649
366	Communication equipment.....	16,710	16,589	16,496	16,553	+0.7	+0.6	+0.9	16,702	16,651	16,583	16,550
367	Electronic components.....	8,087	7,986	7,877	7,717	+1.3	+1.4	+4.8	8,079	8,074	7,936	7,699
364,9	Other electrical machinery.....	5,613	5,671	5,719	5,885	-1.0	-0.8	-4.6	5,647	5,753	5,780	5,924
37	Transportation equipment.....	55,945	55,582	55,092	53,254	+0.7	+0.9	+5.1	56,600	56,078	54,923	53,863
371	Motor vehicles and parts.....	11,330	10,961	11,160	10,977	+3.4	-1.8	+3.2	11,428	10,983	10,689	11,067
372,6	Aircraft, missiles, and parts.....	40,699	40,671	39,962	38,612	+0.1	+1.8	+5.4	41,265	41,184	40,360	39,134
3731,95	Shipbuilding and military tank vehicles.....	2,148	2,137	2,161	1,900	+0.5	-1.1	+13.1	2,170	2,148	2,167	1,928
38	Instruments and related products.....	12,674	12,561	12,511	12,638	+0.9	+0.4	+0.3	12,672	12,711	12,651	12,633
381-4	Scientific and engineering instruments.....	9,089	8,968	8,937	9,176	+1.3	+0.3	-0.9	9,089	9,005	8,996	9,174
386	Photographic goods.....	2,906	2,914	2,907	2,883	-0.3	+0.2	+0.8	2,903	3,011	2,966	2,880
24,25, 39	All other durable goods.....	17,495	17,493	17,526	16,078	0.0	-0.2	+8.8	17,359	17,475	17,620	15,959
	Nondurable goods industries.....	114,821	114,474	113,382	108,954	+0.3	+1.0	+5.4	114,076	114,542	113,131	108,325
	With unfilled orders.....	27,000	26,844	26,505	25,320	+0.6	+1.3	+6.6	26,885	27,204	26,990	25,206
20	Food and kindred products.....	24,611	24,091	24,170	23,562	+2.2	-0.3	+4.5	24,765	24,268	23,358	23,797
202	Dairy products.....	2,367	2,340	2,269	1,882	+1.2	+3.1	+25.8	2,343	2,371	2,306	1,864
208	Beverages.....	4,473	4,376	4,351	4,767	+2.2	+0.6	-6.2	4,348	4,273	4,316	4,637
203-6,9	All other foods.....	14,121	14,173	14,304	13,756	-0.4	-0.9	+2.7	14,799	14,636	13,661	14,438
21	Tobacco products.....	5,736	5,903	5,936	5,470	-2.8	-0.6	+4.9	5,610	5,462	5,426	5,354
22	Textile mill products.....	6,878	6,957	6,796	6,663	-1.1	+2.4	+3.2	6,782	6,959	6,874	6,567
221-4,6, 8,9	Broadwoven fabrics.....	3,855	3,938	3,804	3,840	-2.1	+3.5	+0.4	3,786	3,920	3,835	3,768
26	Paper and allied products.....	11,074	11,021	10,923	10,306	+0.5	+0.9	+7.5	10,860	10,942	10,930	10,102
261-3,6	Pulp, paper etc.....	4,162	4,173	4,141	3,957	-0.3	+0.8	+5.2	4,072	4,127	4,143	3,870
265	Paperboard containers.....	2,835	2,811	2,761	2,537	+0.9	+1.8	+11.7	2,798	2,806	2,758	2,502
264	All other paper products.....	4,077	4,037	4,021	3,812	+1.0	+0.4	+7.0	3,990	4,009	4,029	3,730
28	Chemicals and allied products.....	26,927	26,847	26,862	25,936	+0.3	-0.1	+3.8	26,592	26,786	26,971	25,595
281,6	Industrial chemicals, except pigments.....	7,925	7,967	7,980	7,731	-0.5	-0.2	+2.5	7,925	7,967	7,980	7,731
283,4	Drugs, soaps, and toiletries.....	8,905	8,811	8,775	8,369	+1.1	+0.4	+6.4	8,845	8,771	8,897	8,218
282,9	Other chemical products.....	6,414	6,394	6,374	5,915	+0.3	+0.3	+8.4	6,343	6,392	6,480	5,841
29	Petroleum and coal products.....	10,779	11,031	10,546	9,988	-2.3	+4.6	+7.9	10,780	10,996	10,499	10,010
30	Rubber and plastics products.....	9,072	9,104	8,803	8,480	-0.4	+3.4	+7.0	8,869	9,036	8,863	8,280
23,27, 31	All other nondurable goods.....	19,744	19,520	19,346	18,549	+1.1	+0.9	+6.4	19,818	20,093	20,210	18,620
	Market categories:											
	Home goods and apparel.....	26,074	25,825	25,853	24,608	+1.0	-0.1	+6.0	25,790	26,218	26,752	24,339
	Consumer staples.....	42,169	42,136	42,135	40,624	+0.1	0.0	+3.8	42,369	42,209	41,228	40,849
	Equipment and defense products, except automotive.....	93,338	93,326	92,632	93,914	0.0	+0.7	-0.6	93,300	93,715	92,957	93,870
	Automotive equipment.....	13,778	13,458	13,566	13,510	+2.4	-0.8	+2.0	13,778	13,387	12,993	13,498
	Construction materials, supplies and intermediate products.....	23,502	23,459	23,398	22,203	+0.2	+0.3	+5.9	23,239	23,309	23,450	21,941
	Other materials, supplies, and intermediate products.....	127,602	127,191	125,749	123,497	+0.3	+1.1	+3.3	127,260	127,810	126,690	123,209
	Supplementary series: <sup>2</sup>											
	Capital goods industries.....	108,091	108,380	107,581	107,884	-0.3	+0.7	+0.2	108,491	109,329	108,374	108,244
	Nondefense.....	71,825	72,315	71,982	73,678	-0.7	+0.5	-2.5	71,923	72,893	72,242	73,776
	Defense.....	36,266	36,065	35,599	34,206	+0.6	+1.3	+6.0	36,568	36,436	36,132	34,469
	Household durable goods industries.....	13,281	13,137	13,263	12,550	+1.1	-1.0	+5.8	13,126	13,357	13,651	12,405

See footnotes at end of table 2.



Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted <sup>1</sup>			
		End of month				Percent change			End of month			
		Sep. 1987 <sup>P</sup>	Aug. 1987 <sup>T</sup>	July 1987	Sep. 1986 <sup>T</sup>	Aug.- Sep. <sup>P</sup>	July- Aug. <sup>T</sup>	Sep.- 87/86	Sep. 1987 <sup>P</sup>	Aug. 1987 <sup>T</sup>	July 1987	Sep. 1986
MATERIALS AND SUPPLIES												
	All manufacturing industries.....	104,736	103,931	103,811	101,557	+0.8	+0.1	+3.1	104,300	103,674	103,846	101,269
	Durable goods industries.....	59,708	59,328	59,417	59,465	+0.6	-0.1	+0.4	59,957	59,627	59,762	59,804
32	Stone, clay, and glass products.....	2,176	2,222	2,246	2,189	-2.1	-1.1	-0.6	2,185	2,229	2,250	2,214
33	Primary metals.....	5,120	5,108	5,127	5,518	+0.2	-0.4	-7.2	5,229	5,167	5,138	5,632
34	Fabricated metal products.....	7,434	7,232	7,211	7,486	+2.8	+0.3	-0.7	7,467	7,281	7,337	7,517
35	Machinery, except electrical.....	11,734	11,672	11,686	11,676	+0.5	-0.1	+0.5	11,766	11,714	11,737	11,751
36	Electrical machinery.....	10,490	10,512	10,498	10,470	-0.2	+0.1	+0.2	10,452	10,594	10,689	10,430
37	Transportation equipment.....	11,974	11,721	11,767	12,089	+2.2	-0.4	-1.0	11,985	11,746	11,739	12,125
38	Instruments and related products.....	4,297	4,263	4,220	4,005	+0.8	+1.0	+7.3	4,311	4,292	4,242	4,028
24,25, 39	All other durable goods.....	6,483	6,598	6,662	6,032	-1.7	-1.0	+7.5	6,562	6,604	6,630	6,107
	Nondurable goods industries.....	45,028	44,603	44,394	42,092	+1.0	+0.5	+7.0	44,343	44,047	44,084	41,465
20	Food and kindred products.....	9,437	9,017	9,106	8,714	+4.7	-1.0	+8.3	8,892	8,642	8,811	8,233
21	Tobacco products.....	4,732	4,856	4,945	4,364	-2.6	-1.8	+8.4	4,650	4,486	4,507	4,292
22	Textile mill products.....	1,913	1,890	1,826	1,768	+1.2	+3.5	+8.2	1,861	1,890	1,873	1,720
26	Paper and allied products.....	5,876	5,801	5,724	5,286	+1.3	+1.3	+11.2	5,825	5,744	5,722	5,240
28	Chemicals and allied products.....	9,011	8,954	9,061	9,001	+0.6	-1.2	+0.1	9,001	9,012	9,182	8,983
29	Petroleum and coal products.....	3,193	3,191	3,059	2,997	+0.1	+4.3	+6.5	3,186	3,165	3,050	2,986
30	Rubber and plastics products.....	3,453	3,474	3,390	3,147	-0.6	+2.5	+9.7	3,410	3,445	3,423	3,100
23,27, 31	All other nondurable goods.....	7,413	7,420	7,283	6,815	-0.1	+1.9	+8.8	7,518	7,663	7,516	6,911
WORK IN PROCESS												
	All manufacturing industries.....	117,073	116,092	114,938	114,062	+0.8	+1.0	+2.6	117,879	117,132	115,128	114,747
	Durable goods industries.....	98,573	97,706	96,904	96,978	+0.9	+0.8	+1.6	99,337	98,677	97,030	97,621
32	Stone, clay, and glass products.....	1,020	1,013	1,018	1,025	+0.7	-0.5	-0.5	1,005	1,017	1,025	1,007
33	Primary metals.....	6,512	6,444	6,403	6,594	+1.1	+0.6	-1.2	6,560	6,537	6,519	6,635
34	Fabricated metal products.....	7,577	7,505	7,328	7,440	+1.0	+2.4	+1.8	7,641	7,481	7,412	7,500
35	Machinery, except electrical.....	16,944	16,563	16,759	17,825	+2.3	-1.2	-4.9	16,923	16,755	16,664	17,788
36	Electrical machinery.....	20,411	20,222	20,107	20,362	+0.9	+0.6	+0.2	20,437	20,400	20,172	20,385
37	Transportation equipment.....	37,717	37,664	37,054	35,326	+0.1	+1.6	+6.8	38,355	38,122	36,928	35,881
38	Instruments and related products.....	4,827	4,704	4,699	5,037	+2.6	+0.1	-4.2	4,838	4,754	4,748	5,039
24,25, 39	All other durable goods.....	3,565	3,591	3,536	3,369	-0.7	+1.6	+5.8	3,578	3,611	3,562	3,386
	Nondurable goods industries.....	18,500	18,386	18,034	17,084	+0.6	+2.0	+8.3	18,542	18,455	18,098	17,126
20	Food and kindred products.....	2,474	2,479	2,432	2,501	-0.2	+1.9	-1.1	2,443	2,466	2,387	2,476
21	Tobacco products.....	167	116	110	192	+44.0	+5.5	-13.0	167	116	110	192
22	Textile mill products.....	2,169	2,163	2,113	1,985	+0.3	+2.4	+9.3	2,154	2,150	2,089	1,972
26	Paper and allied products.....	1,245	1,251	1,239	1,190	-0.5	+1.0	+4.6	1,259	1,276	1,238	1,203
28	Chemicals and allied products.....	3,996	4,013	3,998	3,929	-0.4	+0.4	+1.7	4,091	4,055	4,063	4,017
29	Petroleum and coal products.....	2,408	2,432	2,344	2,006	-1.0	+3.8	+20.0	2,402	2,412	2,337	1,998
30	Rubber and plastics products.....	1,414	1,439	1,323	1,409	-1.7	+8.8	+0.4	1,419	1,439	1,325	1,417
23,27, 31	All other nondurable goods.....	4,627	4,493	4,475	3,872	+3.0	+0.4	+19.5	4,607	4,541	4,549	3,851
FINISHED GOODS												
	All manufacturing industries.....	104,654	105,372	104,584	102,737	-0.7	+0.8	+1.9	103,557	105,842	105,096	101,689
	Durable goods industries.....	53,361	53,887	53,630	52,959	-1.0	+0.5	+0.8	52,366	53,802	54,147	51,955
32	Stone, clay, and glass products.....	3,840	3,820	3,756	3,699	+0.5	+1.7	+3.8	3,695	3,779	3,814	3,543
33	Primary metals.....	5,007	4,914	4,769	5,050	+1.9	+3.0	-0.9	4,949	4,877	4,841	4,989
34	Fabricated metal products.....	6,712	6,764	6,863	6,555	-0.8	-1.4	+2.4	6,440	6,634	6,768	6,283
35	Machinery, except electrical.....	11,868	12,644	12,379	12,925	-6.1	+2.1	-8.2	11,663	12,677	12,558	12,700
36	Electrical machinery.....	8,683	8,650	8,672	8,618	+0.4	-0.3	+0.8	8,617	8,700	8,821	8,551
37	Transportation equipment.....	6,254	6,197	6,271	5,839	+0.9	-1.2	+7.1	6,260	6,210	6,256	5,857
38	Instruments and related products.....	3,550	3,594	3,592	3,596	-1.2	+0.1	-1.3	3,523	3,665	3,661	3,566
24,25, 39	All other durable goods.....	7,447	7,304	7,328	6,677	+2.0	-0.3	+11.5	7,219	7,260	7,428	6,466
	Nondurable goods industries.....	51,293	51,485	50,954	49,778	-0.4	+1.0	+3.0	51,191	52,040	50,949	49,734
20	Food and kindred products.....	12,700	12,595	12,632	12,347	+0.8	-0.3	+2.9	13,430	13,160	12,160	13,088
21	Tobacco products.....	837	931	881	914	-10.1	+5.7	-8.4	793	860	809	870
22	Textile mill products.....	2,796	2,904	2,857	2,910	-3.7	+1.6	-3.9	2,767	2,919	2,912	2,875
26	Paper and allied products.....	3,953	3,969	3,960	3,830	-0.4	+0.2	+3.2	3,776	3,922	3,970	3,659
28	Chemicals and allied products.....	13,920	13,880	13,803	13,006	+0.3	+0.6	+7.0	13,500	13,719	13,726	12,595
29	Petroleum and coal products.....	5,178	5,408	5,143	4,985	-4.3	+5.2	+3.9	5,192	5,419	5,112	5,026
30	Rubber and plastics products.....	4,205	4,191	4,090	3,924	+0.3	+2.5	+7.2	4,040	4,152	4,115	3,763
23,27, 31	All other nondurable goods.....	7,704	7,607	7,588	7,862	+1.3	+0.3	-2.0	7,693	7,889	8,145	7,858

<sup>P</sup>Preliminary. <sup>T</sup>Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio <sup>1</sup>			
		Sep. 1987 <sup>P</sup>	Aug. 1987 <sup>r</sup>	July 1987	Sep. 1986 <sup>r</sup>	Sep. 1987 <sup>P</sup>	Aug. 1987 <sup>r</sup>	July 1987	Sep. 1986 <sup>r</sup>
	All manufacturing industries.....	1.59	1.62	1.62	1.67	3.50	3.60	3.59	3.57
	Durable goods industries.....	1.96	2.03	2.04	2.08	4.33	4.49	4.51	4.44
32	Stone, clay, and glass products.....	1.39	1.45	1.42	1.46	0.57	0.59	0.56	0.61
33	Primary metals.....	1.71	1.77	1.75	2.02	2.15	2.18	2.15	1.95
34	Fabricated metal products.....	1.96	1.96	1.94	1.87	1.92	1.93	1.92	1.78
35	Machinery, except electrical.....	2.19	2.26	2.26	2.52	3.30	3.35	3.38	3.58
36	Electrical machinery.....	2.06	2.06	2.09	2.23	4.89	4.89	4.97	5.29
37	Transportation equipment.....	2.03	2.20	2.29	2.04	10.50	11.97	12.40	10.89
38	Instruments and related products.....	2.36	2.39	2.34	2.51	1.69	1.70	1.67	1.68
	Nondurable goods industries.....	1.18	1.19	1.18	1.21	0.55	0.55	0.54	0.47
20	Food and kindred products.....	0.88	0.86	0.85	0.88	(X)	(X)	(X)	(X)
21	Tobacco products.....	2.94	3.97	5.19	3.34	(X)	(X)	(X)	(X)
22	Textile mill products.....	1.42	1.44	1.40	1.44	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products.....	1.08	1.11	1.06	1.14	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products.....	1.48	1.49	1.49	1.56	(X)	(X)	(X)	(X)
29	Petroleum and coal products.....	0.95	0.94	0.92	1.02	(X)	(X)	(X)	(X)
30	Rubber and plastics products.....	1.40	1.42	1.43	1.40	(X)	(X)	(X)	(X)

<sup>P</sup>Preliminary. <sup>r</sup>Revised. (X) Not applicable. (NA) Not available.<sup>1</sup>Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Sept. 1986	All Septs. 1982-1986	Sept. 1986-Aug. 1987	Year ago Sept. 1986	All Septs. 1982-1986	Sept. 1986-Aug. 1987	Year ago Sept. 1986	All Septs. 1982-1986	Sept. 1986-Aug. 1987	Year ago Sept. 1986	All Septs. 1982-1986	Sept. 1986-Aug. 1987
	All manufacturing industries.....	0.0	0.2	0.2	0.0	0.2	0.3	0.0	0.0	0.1	0.1	0.1	0.1
	Durable goods industries.....	0.1	0.3	0.3	0.3	0.3	0.4	0.0	0.1	0.1	0.1	0.2	0.2
32	Stone, clay, and glass products.....	0.5	0.9	1.0	0.2	0.5	1.1	0.5	1.0	1.0	0.9	0.7	0.5
33	Primary metals.....	0.3	0.5	0.5	0.3	0.7	0.5	0.3	0.2	0.3	0.2	0.1	0.3
34	Fabricated metal products.....	0.2	0.6	0.6	0.3	1.1	0.8	0.2	0.5	0.5	0.2	0.2	0.2
35	Machinery, except electrical.....	0.7	0.5	0.7	1.8	0.9	1.2	0.1	0.1	0.2	0.1	0.5	0.2
36	Electrical machinery.....	0.1	0.4	0.2	0.2	0.4	0.6	0.1	0.1	0.1	0.3	0.2	0.1
37	Transportation equipment.....	0.0	0.3	0.1	0.0	1.1	0.2	0.0	0.1	0.1	0.1	0.2	0.1
38	Instruments and related products.....	0.1	0.7	1.3	0.1	0.8	1.2	0.1	0.3	0.4	0.1	0.2	0.2
	Nondurable goods industries.....	0.1	0.2	0.3	0.3	0.2	0.3	1.4	0.7	0.5	0.1	0.2	0.2
20	Food and kindred products.....	0.3	0.7	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.4	0.3
21	Tobacco products.....	0.3	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.3
22	Textile mill products.....	1.6	1.3	1.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.1	0.7	0.6
26	Paper and allied products.....	0.2	0.8	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.2	0.4
28	Chemicals and allied products.....	1.6	0.8	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.4	0.2
29	Petroleum and coal products.....	0.2	0.4	1.0	(X)	(X)	(X)	(X)	(X)	(X)	1.0	0.7	0.6
30	Rubber and plastics products.....	1.0	2.3	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.6	0.4
	Capital goods industries:												
	Nondefense.....	0.2	0.6	0.5	1.5	1.2	0.7	0.2	0.8	0.1	0.1	0.3	0.1
	Defense.....	0.3	0.5	0.2	3.3	2.6	1.0	0.2	0.1	0.1	0.1	0.3	0.1

(X) Not Applicable (NA) Not available.

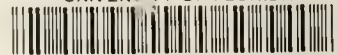
Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

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